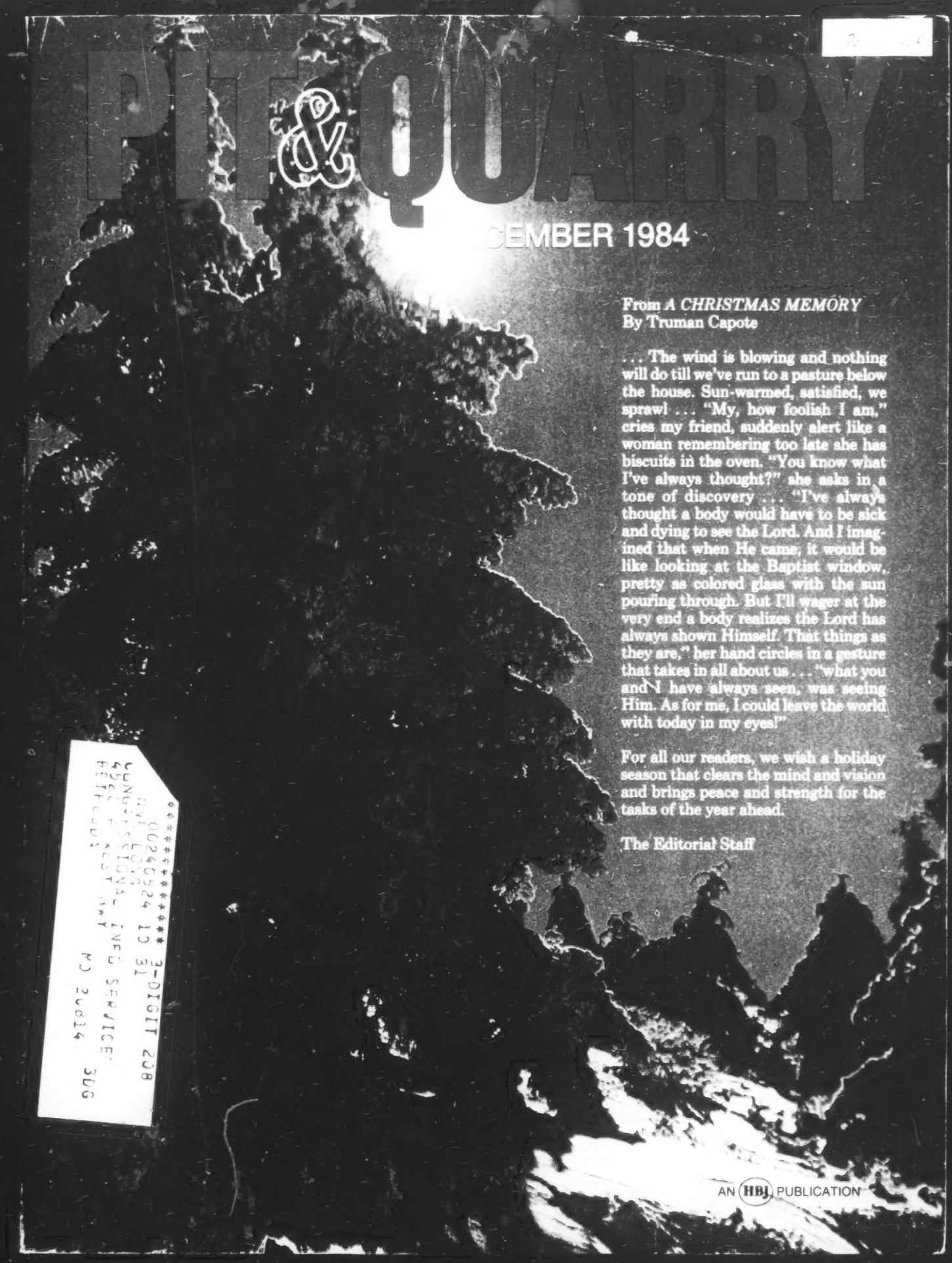
PIT & QUARRY

CEMBER 1984



From *A CHRISTMAS MEMORY*
By Truman Capote

. . . The wind is blowing and nothing will do till we've run to a pasture below the house. Sun-warmed, satisfied, we sprawl . . . "My, how foolish I am," cries my friend, suddenly alert like a woman remembering too late she has biscuits in the oven. "You know what I've always thought?" she asks in a tone of discovery . . . "I've always thought a body would have to be sick and dying to see the Lord. And I imagined that when He came, it would be like looking at the Baptist window, pretty as colored glass with the sun pouring through. But I'll wager at the very end a body realizes the Lord has always shown Himself. That things as they are," her hand circles in a gesture that takes in all about us . . . "what you and I have always seen, was seeing Him. As for me, I could leave the world with today in my eyes!"

For all our readers, we wish a holiday season that clears the mind and vision and brings peace and strength for the tasks of the year ahead.

The Editorial Staff

****
00240524 1D 31
[illegible]
[illegible]
[illegible]
MO 20814 30G

AN HBJ PUBLICATION

PIT & QUARRY

DECEMBER 1984 VOL. 77 NO. 6

PLANTS

26 **Granite ballast cuts railroad maintenance costs** . . . . . **Don Michard**
New Oklahoma quarry operation produces railroad ballast and by-product fines

45 **Star/Harris maintain competitive edge with joint operation**

OPERATING & TECHNICAL

◉ 36 **Those high-tech haul trucks** . . . . . **Edited by Don Michard**
Sophistication, performance, versatility characterize today's haulers

ASSOCIATIONS

43 **National Stone Association first annual convention program**

51 **National Sand and Gravel Association/National Ready Mixed Concrete Association joint annual convention programs**

SAFETY

✚ 49 **Let's eliminate falling accidents** . . . . . **David C. Meyers**

52 **Safety professionals exchange ideas at 72nd NSC Congress** . . . . . **Patricia Murphy**

GENERAL

32 **De-regulation changes railroads' views of stone shipments**
Many contract rates and options available

AND NEXT MONTH

Our annual review and outlook reports on aggregates, cement, and major nonmetallic industries will be featured

DEPARTMENTS

7 The National Scene
10 Industry News
19 Coming Events
20 Truck Topics
24 Through the Side Mirror
58 New Products, Services
64 Useful Literature
68 Manufacturers' News
70 Classified Ads
80 Advertisers' Index
81 Readers' Service Card

AN HBJ PUBLICATION

HARCOURT BRACE JOVANOVICH PUBLICATIONS: **Robert L. Edgell** Chairman, **Richard Moeller** President, **Lars Fladmark** Executive Vice President, **Arland Hirman** Treasurer, **Thomas Greney** Senior Vice President, **Ezra Pincus** Senior Vice President, **Pat O'Rourke** Group Vice President, **Joe Bilderbach** Vice President, **James Ghema** Vice President, **George Glenn** Vice President, **Harry Ramsley** Vice President

PIT & QUARRY (ISSN 0032-0293) is published monthly by Pit & Quarry Publications, Inc., a subsidiary of Harcourt Brace Jovanovich Publications. Corporate Offices: 7500 Old Oak Boulevard, Cleveland, Ohio 44130. Advertising and Editorial Offices: 111 East Wacker Drive, Chicago, Illinois 60601. Accounting, Advertising Production and Circulation offices: 1 East First Street, Duluth, Minnesota 55802. Subscription rates: $12 per year in the United States and Canada. All other countries: $35 per year. Single copies (pre-paid only): $3.00 in the U.S.; elsewhere $5.00; add $3.00 for shipping and handling per order. Second class postage paid at Duluth, Minnesota 55806 and additional mailing offices. Copyright © 1984 by Pit & Quarry Publications, Inc., a subsidiary of Harcourt Brace Jovanovich, Inc. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical including photocopy, recording, or any information storage and retrieval system, without permission in writing from the publisher. Microfilm copies of articles are available through University Microfilm, International, 300 N. Zeeb Road, Ann Arbor, Michigan 48106.

POSTMASTER: Send address changes to PIT & QUARRY, P.O. Box 6380, Duluth, Minnesota 55806-9914

MEMBER

VBPA ABP

Comparison of 1984/1983 Construction Contract Values*

	9 Mos. 1984 (000,000)	9 Mos. 1983 (000,000)	Cumulative Percent Change
Nonresidential building	$ 54,256.2	$ 46,333.4	+17
Residential building	79,572.8	71,137.2	+12
Nonbuilding construction	27,711.0	31,074.7	−11
Total construction	$161,542.0	$148,545.3	+ 9

Dodge Index
(1977 = 100, Seasonally Adjusted)

July 1984 ..... 152 August 1984 ..... 151 September 1984 144

*Based on statistics compiled by F.W. Dodge Div., McGraw-Hill Information Systems

EVER CHANGING TECHNIQUES -
SOLUTIONS TO KEEP PACE WITH DEVELOPMENTS
IN PUBLIC WORK AND BUILDING INDUSTRIES

Coupon to be return to:

EXPOMAT - 141, av. de Wagram - 75017 PARIS-FRANCE -
Tel.: 766.03.44 - Telex: 604185 F

Name _____

Firm _____

Address _____

I wish to receive:
☐ Welcome card-Request for EXPOCARTE
☐ The general documentation
☐ A list of new exhibits
☐ The preview catalogue (mid March) - European countries 4 $ - Other countries 5 $
☐ The official catalogue (mid April) - European countries 8 $ - Other countries 14,50 $

I enclose the corresponding remittance

Circle 115 on Reader Inquiry Card

to a Stamler feeder-breaker in which the chunks are fractured by a custom-designed rotary pick-breaker. The feeder-breaker then meters the reduced clinker to a belt conveyor for transfer to milling operations.

The cost-effectiveness of this phase of Santee's operation is reported as being improved by the new clinker handling system.

Advanced systems at new Genstar plant

Genstar Stone Products Co. has opened a new manufacturing and distribution center for its Sakrete and Genstar product lines. The new plant provides the benefits of state-of-the-art production equipment and processes, according to Don Ross, vice president, packaged materials.

The plant's high volume capability is due to two systems, continuous blending and valve packing. Ingredients such as cement, sand, and stone are metered automatically from hoppers in a 75-ft. tower, into a surge hopper where they are thoroughly mixed before being bagged under pressure.

"The system is designed to provide a constant uniform mix and will detect any deviation from the proper mix specification," says Ross. "The first bag in the morning will be the same as the last one in the afternoon."

A benefit of the forced bagging system is the elimination of sewn closures for squared-up folded closures. As a result, the bags are more uniform in appearance and easier to handle and stack.

Fuller offering $20,000 for new cement use ideas

Fuller International, Inc., is sponsoring a $20,000 Quest contest to search for new uses of cement. Between now and May 15, 1985, Fuller will accept entries the world over. Two prizes, $10,000 each, will be awarded, one for the most original idea and another for the idea that is closest to implementation.

Judges for the competition have yet to be named, according to the company. Official entry forms are available by writing Fuller, 2040 Avenue C, P.O. Box 2040, Bethlehem, Pa. 18001.

NOTE

ONLY THE FOLLOWING PAGES OF THIS

PUBLICATION HAVE BEEN FILMED

Cov. 1, p. 3, 30-32, 40, 42,

44, 46-49, 57-63, 66-67.